LITERATURE SURVEY

Serial no	Title	Objective	Technology	Advantage	Limitations
1)	**Used Cars Price Prediction using Supervised Learning Techniques** - Pattabiraman Venkatasubbu Mukkesh Ganesh	The recent advent of online portals has facilitated the need for both the customer and the seller to be better informed about the trends and patterns that determine the value of a used car in the market. Using Machine Learning Algorithms such as Lasso Regression, Multiple Regression and Regression trees, we will try to develop a statistical model which will be able to predict the price of a used car, based on previous consumer data and a given set of features	Machine Learning Algorithms, ANOVA, Tukey's Test Regression trees	We will try to develop a statistical model which will be able to predict the price of a used car, based on previous consumer data and a given set of features	They use less number of cylinders in the engine and they use normal leathers
2)	**Application of Machine Learning Techniques to Predict the Price of Pre-Owned Cars in Bangladesh** - Fahad Rahman Amik , Akash Lanard , Ahnaf Ismat and Sifat Momen	A good prediction of prices of pre-owned cars can help customers greatly in making an informed decision about buying a pre-owned car. In this article, we look into this problem and develop a forecasting system (using machine learning techniques) that helps a potential buyer to estimate the price of a pre-owned car he is interested in. A dataset is collected and pre-processed.	Machine learning regression algorithms, linear regression, LASSO (Least Absolute Shrinkage and Selection Operator) regression, decision tree,	(i) Collecting a real dataset pertaining to pre-owned cars and then preparing the dataset extensively, which can be used in (ii) developing an accurate predictive model. In addition to this, other key contributions include	The capacity of the engine is low, less milage for specific models for each car
3)	**Car Price Prediction using Machine Learning Techniques** -Enis Gegic,	To build a model for predicting the price of used cars in Bosnia and Herzegovina, Respective performance of different algorithms were then compared to find one that best	Three machine learning techniques 1)Artificial Neural Network,	The major step in the prediction process collection and preprocessing of the data. In this research, PHP scripts were built to normalize,	Just collecting the data and databases for validation process but didn't apply any

	Becir Isakovic, Dino Keco, Zerina Masetic, Jasmin Kevric	suits the available data set. The final prediction model was integrated into Java application. Furthermore, the model was evaluated using test data and the accuracy of 87.38% was obtained	2)Support Vector 3)Machine and Random Forest and Java application	standardize and clean data to avoid unnecessary noise for machine learning algorithms.	feedbacks by the customer
4)	**Introduction to Multiple Regression: How Much Is Your Car Worth?** - Shonda Kuiper	Data collected from Kelly Blue Book for several hundred 2005 used General Motors (GM) cars allows students to develop a multivariate regression model to determine car values based on a variety characteristics such as mileage, make, model, engine size, interior style, and cruise control. Students learn to look at residual plots to check for heteroskedasticity, normality ,autocorrelation and multicollinearity as well as explore techniques for variable selection and develop specially constructed variables.	Multivariate regression model	Data collected from Kelly Blue Book for several hundred 2005 used General Motors (GM) cars allows students to develop a multivariate regression model to determine car values based on a variety of characteristics such as mileage, make, model, engine size, interior style, and cruise control. Students learn to look at residual plots to check for heteroskedasticity, normality, autocorrelation,	There is no airbags present in the staring
5)	**Used Car Price Prediction using K-Nearest Neighbor Based Model** - K.Samruddhi1 Dr R.Ashok Kumar	Predicting the price of used cars is one of the significant interesting areas of analysis. As an increased demand in the second-hand car market, the business for both buyers and sellers has increased. For reliable and accurate prediction it requires expert knowledge about the field because of the price of the cars dependent on many important factors.	Supervised machine learning model using KNN (K Nearest Neighbour) regression algorithm	we have trained our model with used cars data set to predict the price. Here we have used K nearest Neighbor algorithm and we got accuracy 85% where the accuracy of linear regression is 71%. The proposed model is also validated with 5 and 10 folds by	There is no pre alert and car appearance is more important than the safety .

				using K Fold Method. The experimental analysis shows that the proposed model is fitted as the optimized model.	